



# SOFTWARE VALIDATION WORKING GROUP CONFIGURATION VALIDATION & AUDITS

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# S/W Configuration Validations & Audits

- CM Policy Exists for Hardware & Software
  - process established & articulated
- Fleet & SEA 53 Requirement
- Prototype TR BG 01
  - with ~27 systems
- NAVSEA Leads:
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# S/W Configuration Validations & Audits

- Software CM Working Conference
  - Coastal Systems Station Panama City, FL
  - 10-11 September 2002
  - Agenda
    - Socialize CM instruction
    - Process
      - CDMD-OA Procedures
      - Validation/Audit Procedures
    - Status of Prototype
    - Next steps

# S/W Configuration Validations & Audits

- Process - Similar to Hardware validations
  - Validation - Part of C5RA
    - Validation Team creates VALAID
    - Verify version and media
    - Report out SEA 53 for conflict resolution
    - Report out SSA/ISEA ---- CDMs
  - Audits - Part of SCLISIS
    - Validation Team creates VALAID
    - Verify version
    - Report out of SEA 53 for conflict resolution
    - Report out SSA/ISEA ---- CDMs



# S/W Configuration Validations & Audits

- FOCUS
  - Validations: 100% of Prototype Equipments
    - ~ 27
  - Audits: 100% of Prototype Equipments &
    - AND 2% of all other Software
- Data QUALIFIERS
  - VALAID CDMD-OA
    - Equipment Discipline = “V”
    - VSAC = SFTWR
    - PRID = media (disk, floppy, tape)

# S/W Configuration Validations & Audits

- **FEEDBACK LOOP**

- Work Files to CDM
  - For Prototype SEA 04L5 Rep assigning X-RIC and monitoring input into OA
- Regular Report out of METRICS findings to FLEET and shore Community

- **METRICS**

- a. Is the recorded software configuration data accurate?
- b. Degree of change to the established baseline over a given time, categorized by type of change.
- c. Emergent Changes. Categorized by when the changes are made (before/after TCD etc.)
- d. Number of records per system – Initialization, maintenance (monthly), and end of prototype?
- e. Number of records and reports sent to SEA 53.



# S/W Configuration **Validations** & Audits

SEA 53 provides list of 27 systems nomenclature

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VALTEAM queries CDMD-OA for specific BG Platforms S/W records for 27 core systems (100%)

VALTEAM creates VALAID

Validate core systems

Report out to SEA 53 for conflict resolution

Report out to ISEA/SSA for processing

# **S/W Configuration Validations & Audits**

**TEAM queries CDMD-OA  
for specific Platform  
S/W records (2%)**

**Delete 27 core  
systems from  
the records**

**VALAID Created**

**Conduct Audit**

**Report out to  
SEA 53 for  
conflict resolution**

**Report out  
to ISEA/SSA  
for processing**



# S/W Configuration Validations & Audits

BACK UP SLIDES

